CLARK COUNTY

(Clark County Water Service Area Map)

- Estimated 1999 population of 32,100--98% on public water
- Estimated 2020 population of 35,600--100% on public water
- 265 miles of water lines, with plans for 67 additional miles
- Estimated funding needs for public water 2000-2005--$8,820,000
- Estimated funding needs for public water 2006-2020--$2,030,000

Clark County had an estimated population of 32,066 (12,263 households) in 1999 with a projected population of 35,640 (14,859 households) in 2020. Public water is provided to about 98 percent of the county's residents. In areas of the county not served by public water, about 33 percent of the households rely on private domestic wells and 67 percent of the households rely on other sources. About 365 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in $1000	In $1000	in $1000	in $1000	in $1000	in $1000
CLARK								-
Winchester Municipal					1,700	4,000	1,200	6,900
East Clark W/D	35.0	227	1,720					1,720
Judy W/A	7.7	24	200					200
TOTAL	**42.7**	**251**	**1,920**		**1,700**	**4,000**	**1,200**	**8,820**

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in $1000	in $1000	in $1000	in $1000	in $1000	in $1000
CLARK								-
Winchester Municipal				980				980
East Clark W/D	23.5	111	1,050					1,050
Judy W/A								-
Total	**23.5**	**111**	**1,050**	**980**				**2,030**

PUBLIC WATER SYSTEMS

Clark County has 3 community water systems: 1 municipal, Winchester Municipal Utilities; 1 water district, East Clark County Water District; and 1 water association, Boonesboro Water Association/Kentucky-American. A few residents in the county may also be served by Judy Water Association and Reid Village Water District.

WATER SERVICE AREAS
CLARK COUNTY
Kentucky

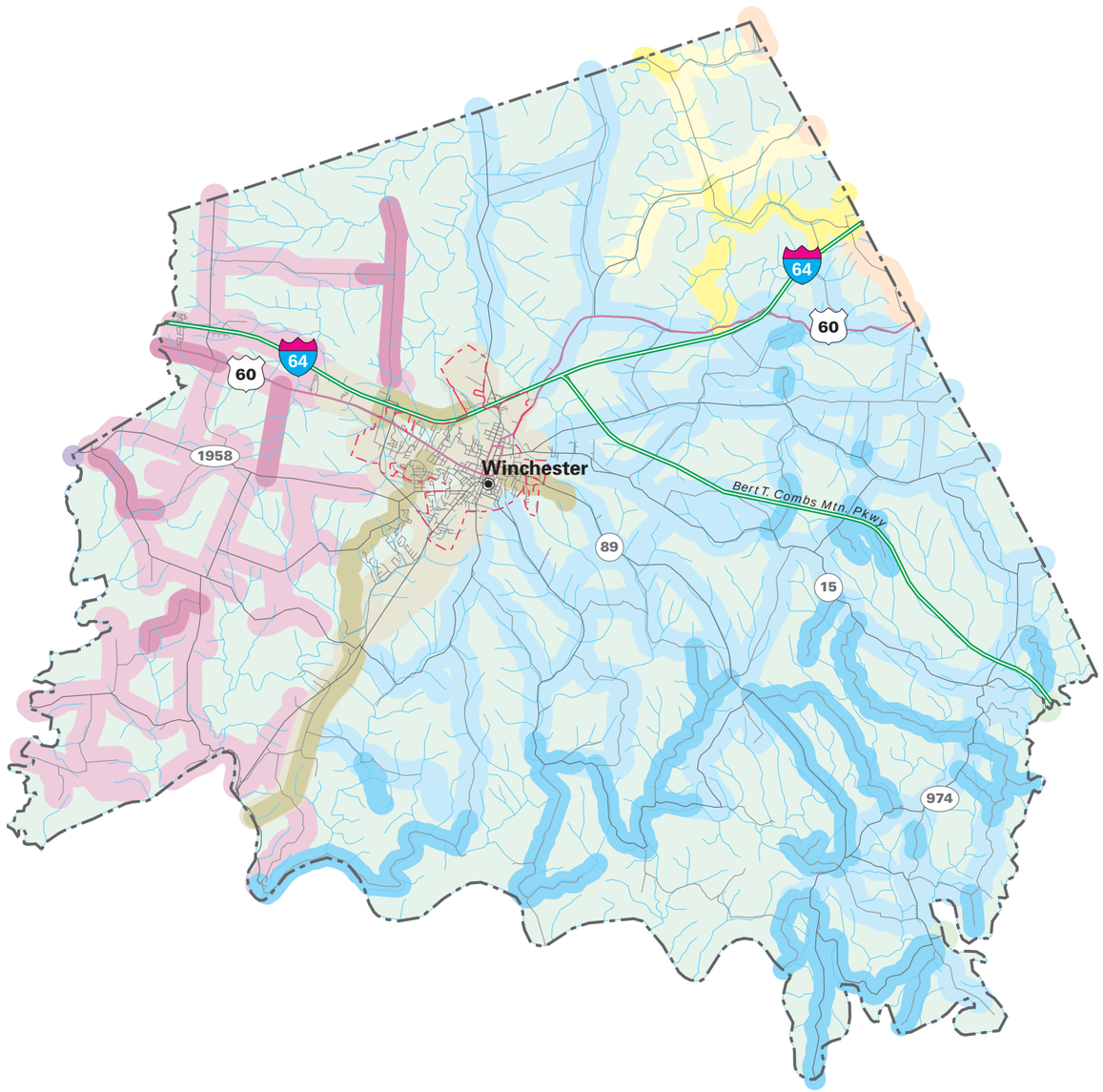
Prepared By:
Water Resource Development Commission

Department for Local Government
1024 Capital Center Drive, Suite 340
Frankfort, Kentucky 40601-8204
502-573-2382 -- 502-573-2939 fax
http://dlgnt1.state.ky.us/wrdc/

Bob Arnold, Chairman
Lawrence Wetherby, Executive Director

Final GIS & Cartographic Operations By:
Kent Anness & Kim Prough

Data Collection & GIS Input By:
Kentucky Area Development Districts



WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WINCHESTER MUNICIPAL UTILITIES
		REID VILLAGE WATER DISTRICT
		POWELL VALLEY WATER DISTRICT
		KENTUCKY-AMERICAN WATER COMPANY
		JUDY WATER ASSOCIATION
		EAST CLARK COUNTY WATER DISTRICT
		BOONESBORO WATER ASSOCIATION/KY AMERICAN

BOONESBORO WATER ASSOCIATION/KENTUCKY AMERICAN

PWSID: 0250035
System Type: COMMUNITY
Owner Type: WATER ASSOCIATION
Surface Source:
Purchase Source: WINCHESTER MUNICIPAL UTILITIES
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 250,000.00
Total Service Connections: 0.00
Number of Employees: 0.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: 3.73
O/M costs 1997: 399,966.00
O/M costs per Service Connection: 327.30
Net Revenue 1997: 12,672.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 120,029,900.00
Unaccounted-for Water 1997 (%): 9.40

WINCHESTER MUNICIPAL UTILITIES

PWSID: 0250473
System Type: COMMUNITY
Owner Type: MUNICIPAL
Surface Source: KENTUCKY RIVER
Purchase Source:
Well Source:
Sells Water to: EAST CLARK COUNTY WATER DISTRICT
Treatment Plant Capacity (MGD): 4.90
Percent Daily Average Production: 75.00
Total Tank Storage Capacity (gallons): 500,000.00
Total Service Connections: 9,230.00
Number of Employees: 0.00
Treatment Operator Class: 3D
Distribution Operator Class: 4A
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

EAST CLARK COUNTY WATER DISTRICT

PWSID: 0250981
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source: FLANNAGAN STATION RD
Well Source:

Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 1,483.00
Number of Employees: 6.00
Treatment Operator Class: 2D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: 9.83
O/M costs 1997: 423,540.00
O/M costs per Service Connection: 285.60
Net Revenue 1997: 61,848.00
Total Water Produced 1997 (gallons): 0.00
Water Sold 1997 (gallons): 97,681,000.00
Unaccounted-for Water 1997 (%): 7.14

PRIVATE DOMESTIC SYSTEMS

About 650 people in Clark County rely on private domestic water supplies: 200 on wells, and 450 on other sources.

In the larger stream valleys of northwestern Clark County and along the thin Kentucky River valley, most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. In the larger creek valleys throughout the county and in the southwestern corner of the county, some wells will produce enough water for a domestic supply except during dry weather. In the upland areas of Clark County, which encompasses 50% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.